

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/000702

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 G02F 1/136**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G02F H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

KIPO DB

search term: color filter, contact hole, spacer, light blocking, thin film transistor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 2002/0182766 A1 (NEC CORPORATION) 05 DECEMBER 2002 Fig. 1 see the whole document	11 1-10,12-13
Y A	US 6243146 B1 (Samsung Electronics Co., Ltd.) 05 JUNE 2001 Fig. 13 see the whole document	11 1-10,12-13
A	US 6356330 B1 (Hitachi, Ltd.) 12 MARCH 2002 see the whole document	1-13

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

06 JULY 2004 (06.07.2004)

Date of mailing of the international search report

08 JULY 2004 (08.07.2004)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

YANG, Jae Seok

Telephone No. 82-42-481-5988



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/000702

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002/0182766 A1	05-12-2002	JP 2002-365614 A2 KR 2002-0092817 A	18-12-2002 12-12-2002
US 6243146 B1	05-06-2001	JP 10-186408 A2	14-07-1998
US 6356330 B1	12-03-2002	JP 2000-131714 A2 KR 2000-0029318 A	12-05-2000 25-05-2000